DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY CONSTRUCTION PERMIT

Permit No. 801CP01 July 3, 2003

The Department of Environmental Conservation (Department), under the authority of AS 46.14 and 18 AAC 50, issues a construction permit to Pruhs Corporation for asphalt production and ancillary activities using a transportable asphalt plant.

This permit satisfies the obligation of the owner and operator to obtain a construction permit as set out in AS 46.14.130(a).

As required by AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this construction permit.

John F. Kuterbach, Manager
Air Permits Program

List of Abbreviations Used in this Permit

AAC .....Alaska Administrative Code
ADEC.....Alaska Department of Environmental Conservation
AS.....Alaska Statutes
ASTM.....American Society of Testing and Materials
CEMS.....Continuous Emission Monitoring System
C.F.R. .....Code of Federal Regulations
COMS .....Continuous Opacity Monitoring System
EPA .....US Environmental Protection Agency
HAPS.....Hazardous Air Pollutants [hazardous air contaminants as defined in AS 46.14.990(14)]
HHV.....Higher heating value
ID.....Source Identification Number
MACT .....Maximum Achievable Control Technology
NAICS .....North American Industry Classification System
NESHAPs.....Federal National Emission Standards for Hazardous Air Pollutants [as defined in 40 CFR 61]
NSPS.....Federal New Source Performance Standards [as defined in 40 CFR 60]
PS .....Performance specification
PSD .....Prevention of Significant Deterioration
RM.....Reference Method
SIC.....Standard Industrial Classification

Units

acf.....actual cubic foot
Btu.....British Thermal Unit (1 Btu = 1,055 Joules)
dscf.....Dry standard cubic foot
gr.....grain (1 pound = 7000 grains)
GPH.....gallons per hour
hp.....horsepower (bhp is horsepower at shaft)
kW.....kilowatts
M.....thousand
MM.....million
PPM.....Parts per million
PPMV.....Parts per million volume
TPH.....Tons per hour
TPY .....Tons per year
Wt%.....weight percent

Pollutants

CO.....Carbon Monoxide
H_2S .....Hydrogen Sulfide
NO_X, NO_2.....Oxides of Nitrogen, Nitrogen Dioxide respectively
PM_{10}.....particulate matter with aerodynamic diameter less than 10 microns
SO_2.....Sulfur dioxide
VOC .....volatile organic compound [as defined in 18 AAC 50.990(103)]

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CONDITIONS AND REQUIREMENTS

QUALIFYING CRITERIA:

The facility approved to operate under this general operating permit (hereafter referred to as "the facility") is described by SIC codes 1611, 1771, or 1629 and primarily produces asphalt concrete for paving. The facility may have been constructed, reconstructed[1], or modified before or after June 11, 1973.
Alaska law requires operators of asphalt plant to obtain an operating permit if the plant meets any of the following criteria:

- a potential to emit greater than 100 tons per year of a regulated air contaminant,
- a source with a rated capacity greater than 100 Million Btu/hr,
- a controlled source with a total rated capacity or equipment throughput greater than 5 tons per hr,
- a controlled source with a rated capacity greater than 50 Million Btu/hr, or
- equipment subject to a federal emission standard, such as rock crushers.

A Rock Crusher operated under this permit may be subject to Subpart OOO. A Subpart OOO processing plant is a processing plant that:

- Has a cumulative rated initial grinding capacity larger than 150 tons per hour for a portable plant or 25 tons per hour for a fixed plant; and
- Includes : Crusher or grinding mill, screening operation, bucket elevator and belt conveyor transfer points, bagging operation, storage bin, and/or enclosed truck or railcar loading that is constructed, reconstructed[1], or modified (any equipment change that increases air emissions) after August 31, 1983;

The facility would be excluded from using this permit if the following applies. However, if there is a general permit for the activities listed below, the facility may operate under both permits.

a. The facility is subject to a fuel consumption limit or other facility-specific requirement established in a construction permit, or air quality control permit under the 18 AAC 50.400(effective prior to 1/18/97). (This does not include a limit established because a source test was conducted at less than full rated capacity.)
b. The facility contains:
   - A boiler subject to 40 C.F.R. 60, Subpart Dc, unless the operator also obtains general permit GP5 for that boiler;
   - A fuel storage tank subject to 40 C.F.R. 60, Subparts Ka, or Kb, unless
     ◊ the only requirement that applies is recordkeeping under Subpart Kb, §116b(a) and (b); or
     ◊ the operator also obtains general permit GP8.1 or GP8.3 for that tank;

[1] Reconstruction as defined by Code of Federal Regulations (40 CFR 60.673).

- A source subject to 40 C.F.R. 60, Subpart OOO that has mechanically induced air flow;
- A source (other than an asphalt plant, crushing and grinding equipment, fuel storage tank, or boiler subject to 40 C.F.R. 60, Subpart Dc) subject to a federal emission standard in 40 C.F.R. 60, 61, or 63;
- A gas turbine;
- An incinerator;
- A source subject to any standard in 18 AAC 50.055(a) – (f) other than standards for fuel burning equipment in (a)(1), (a)(4), (b)(1), (b)(5) and (c);
- Open Burning at the facility at any time during the permit term;
- Renovation and demolition activities at the facility that would need to comply with the provisions of 40 C.F.R., Part 61, Subpart M, Section 145, National Emission Standard for Asbestos, Standard for Demolition and Renovation; or
- Recycling and emissions reduction of Class I and Class II refrigerants at the facility; These activities are subject to 40 C.F.R. 82, Subpart F, Section 82.150.

Permitted Sources

This permit authorizes the holder to operate any source identified in the permit application submitted for this permit. The sources need not be in the same immediate location. For example, a crusher operation included in the application may not necessarily be located in the immediate vicinity of the asphalt plant. At whatever location the equipment operates the operator must comply with the appropriate requirements for that equipment.

Table 1: Construction Permit Source Inventory

Source	Source Description	Serial Number	Fuel	Nominal ISO Rating/Size
Asphalt Plant	ASTEC Six Pack Road Plant (1994)	94-014	--	250 tons/hr
Baghouse	ASTEC PBH-47	94-014	--	32,557 scf/min
Drum Dryer Burner	ASTEC PDM-734F	94-014	Fuel oil or fuel gas	96.8 MM Btu/hr
Electric Generation Set	Caterpillar 3406	49K00332	Fuel oil	519 hp 26.6 gallons/hr

Permit Duration

The permittee shall submit an application for a general permit or operating permit within 18 months of the issue date of this permit. Permit applications are available online at http://www.state.ak.us/local/akpages/ENV.CONSERV/dawq/aqm/newpermit.htm or contact the department's Cynthia Espinoza for Operating Permits (907) 269-7575.

Change of Ownership
If the ownership of the asphalt plant is changed the new owners and previous owners must complete a transfer of ownership form and receive authorization to operate from the department before the plant is operated by the new owner. The transfer of ownership form is available on the Air Permit Program web site at http://www.state.ak.us/dec/dawq/aqm/newpermit.htm or the form may be obtained by communicating with the nearest Air Permit Program Office.

Regulatory Citations and References

All regulatory citations have been included at the end of each permit condition.

Standard Permit Conditions
Below are listed the Standard Permit Conditions which apply to all permitted sources and appear in all permits issued by the department.

Standard Permit Conditions:

Note that these are standard conditions taken directly from 18 AAC 50.345(b) -- (o).

1. The permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for

a. an enforcement action,

b. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280, or

c. denial of an operating permit renewal application.

[18 AAC 50.345(c), 5/03/02]

2. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.

[18 AAC 50.345(d), 5/03/02]

3. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.

[18 AAC 50.345(e), 5/03/02]

4. Compliance with permit terms and conditions is considered to be in compliance with those requirements that are

a. included and specifically identified in the permit, or

b. determined in writing in the permit to be inapplicable.

[18 AAC 50.345(b), 5/03/02]

5. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the permittee for modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.345(f), 5/03/02]

6. The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.345(g), 5/03/02]

7. The permittee shall allow the department or an inspector authorized by the department, upon presentation of credentials and at reasonable times with the consent of the owner or operator, to

a. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept,

b. have access to and copy any records required by the permit,

c. inspect any facility, equipment, practices, or operations regulated by or referenced in the permit, and

d. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

[18 AAC 50.345(h), 5/03/02]

8. The permittee shall furnish to the department, within a reasonable time, any information the department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the permittee shall furnish to the department copies of records required to be kept by the permit. The department may require the permittee to furnish copies of those records directly to the federal administrator.

[18 AAC 50.345(i), 5/03/02]

9. The permittee shall certify all reports, compliance certifications, or other documents submitted to the department and required under the permit by including the signature of a responsible official for the permitted facility following the statement: "Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete." Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and documents must be certified upon submittal. When certifying a compliance certification, the official's signature must be notarized.

[18AAC50.345(j), 5/03/02]

10. In addition to any source testing explicitly required by the permit, the permittee shall conduct source testing as requested by the department to determine compliance with applicable permit requirements.

[18AAC50.345(k), 5/03/02]

11. The permittee may request an extension to a source test deadline established by the department. The permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the department's appropriate division director or designee.

[18AAC50.345(l), 5/03/02]

12. Before conducting any source tests, the permittee shall submit a plan to the department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the source will operate during the test and how the permittee will document that operation. The permittee shall submit a complete plan within 60 days after receiving a request under Condition 10 of this permit and at least 30 days before the scheduled date of any test unless the department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.

[18AAC50.345(m), 5/03/02]

13. At least 10 days before conducting a source test, the permittee shall give the department written notice of the date and time the source test will begin.

[18AAC50.345(n), 5/03/02]

14. Within 60 days after completing the source test, the permittee shall submit two copies of the results in the format set out in the Source Test Report Outline, adopted by reference in 18 AAC 50.030. The permittee shall certify the results in the manner set out in Condition 9 of this permit. If requested in writing by the department, the permittee must provide preliminary results in a shorter period of time specified by the department.

[18AAC50.345(o), 5/03/02]

Aggregate Dryer or Drum Mixer

15. Particulate Matter Emissions

Constructed, Reconstructed or Modified on or Before June 11, 1973*	Constructed, Reconstructed or Modified After June 11, 1973**
Do not discharge particulate matter concentrations in the exhaust gas which contain more than 0.05 gr/dscf	Do not discharge particulate matter concentrations in the exhaust gas which contain more than 0.04 gr/dscf

***** [18AAC50.055(b)(1), 5/03/02]

**[18AAC50.055(b)(5), 5/03/02]
**[40CFR60.92(a)(1), 7/01/01]

16. Periodic Source Testing For Particulate Matter

The department recognizes there are some asphalt plants which operate less than 30 days in a year, which makes it difficult to schedule and complete a source test. For plants that are required to have a particulate matter source test within the first 30 days of operating under this permit:

a. If the operator will not complete a source test within that time, then the plant may operate, but is restricted to operating no more than 6 hours per day and no more than 30 days each calendar year until the test is done.

b. If the operator will conduct a source test within the first 30 operating days of any calendar year, then there is no restriction in operating hours or days for that year or subsequent years under this permit.

c. If the results of the particulate matter source test exceed more than 90% of the particulate matter emission standard, (either 0.045 gr/dscf or 0.036 gr/dscf depending on date of construction of the asphalt plant) another source test must be conducted within one year of the date of the most recent source test.

[18AAC 50.220, 1/18/97]

17. Throughput Rate

Do not operate the asphalt plant at a production level greater than the maximum throughput measured during a U.S. EPA Method 5 particulate matter source test that showed compliance.

[18 AAC 50.050(a)(4), (b)(5), 5/26/72;
18 AAC 50.055(a)(4), (b)(5), 1/18.97;
40 C.F.R. 60.92(a)(1), (2), 10/6/75]

18. Facilities Using Baghouses

Facilities using baghouses must perform inspections of the equipment and complete necessary maintenance prior to equipment startup in a new location and after shutdown periods lasting more than 5 days. The baghouse must be inspected every 30 days of operation at the same location. Worn or damaged bags must be replaced within 72 hours of discovery. The baghouse must be operated efficiently to control opacity and particulate matter emissions. The pressure drop across the baghouse and outlet temperatures must be monitored and maintained within limits recommended by the manufacturer.

[18AAC50.055(a)(1), (b)(1) & (5), 5/03/02]

19. Facilities Using Scrubbers

For facilities using scrubbers, every component of the control device must be inspected before the first operation each season and any component that shows signs of deterioration must be repaired or replaced. The scrubber must be operated efficiently to control opacity and particulate matter emissions. The differential pressure across the scrubber, the scrubber water flow rate and scrubber water inlet and outlet temperature must be monitored and maintained within limits recommended by the manufacturer.

[18AAC50.055(a)(1), (b)(1) & (5), 5/03/02]

20. Performance Test for New Asphalt Plant

This condition only applies to new asphalt plants that have not done the one time performance test to satisfy the New Source Performance Standard requirement in 40 C.F.R. 60.93 and 40 C.F.R. 60.8.

Perform a performance test within 60 days after achieving the maximum production rate of the equipment subject to a federal standard but not later than 180 days of initial startup. This timeframe is for new units only). The department and/or EPA may request an additional performance test at its discretion. See 40 CFR 60.8(a).

Conduct and report performance tests as specified in the particular Subpart unless the EPA has approved an alternative testing and reporting. See 40 CFR 60.8(b).

Performance tests shall occur at the facility's representative operation. Submit information so that the department and/or EPA can determine the facility's representative operation. See 40 CFR 60.8(c).

Notify the department and EPA at least 30 days before the start of the performance tests. See 40 CFR 60.8(d).

Provide adequate sampling ports at appropriate locations as required by the applicable EPA method. See 40 CFR 60.8(e).

Perform the performance test using the applicable test method at least 3 separate runs or as specified in the applicable subpart. If the one of the three runs is interrupted by circumstances beyond the permittee's control, then the EPA at its discretion may approve averaging only two runs. See 40 CFR 60.8(f).

The initial opacity (visible emission) performance test must be at least 3 hours (30 six minute averages) during periods of operation. The opacity standard applies at all times except for startup, shutdown and malfunction. See 40 CFR 60.11(b) and (c).

At all times, and to the extent practicable, maintain and operate the facility including air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. See 40 CFR 60.11(d)

Postmark all submittals required by federal standards by the date required by the department and EPA. See 40 CFR 60.19(b)

21. Opacity requirements. Do not reduce visibility through the exhaust by any of the following:

21.1 more than 20 percent for more than three minutes in one hour;[2]

21.2 more than 20 percent averaged over any six consecutive minutes.[3]

[18 AAC 50.055(a)(1), 1/18/97 and 5/03/02]

22. Asphalt Plant Visible Emissions Observations

Conduct visible emission observations, in accordance with 40 C.F.R. 60, Appendix A, Method 9, within two days of startup at a new location, at least once during a 30-day operating period at the same location, and when facility starts up after a shut down period of more than 5 days. The test should occur when the facility is operating at a load typical of the maximum operation during the reporting period. This requirement does not apply to heaters and insignificant sources. Note the equipment production or operating rate at the time of the Method 9 observation. Method 9 consists of at least 24 readings, one reading every 15 seconds.

Conduct at least one set of Method 9 readings during each one hour run of Method 5 particulate matter testing required in condition 16.

[2] For purposes of this permit, the "more than three minutes in any one hour" criterion in this condition will no longer be effective when the Air Quality Control (18 AAC 50) regulation package effective 5/3/02 is adopted by the EPA.

[3] The six-minute average standard is enforceable only the state until 18 AAC 50.055(a)(1), dated 5/3/02, is approved by EPA into the State Implementation Plan, at which time this standard becomes federally enforceable.

23. Sulfur Oxide Emissions

Do not emit sulfur dioxide concentrations greater than 500 parts per million averaged over three hours. Do not burn fuel oil (or used oil mixed with fuel oil) with a sulfur content greater than 0.5% by weight. If used oil generated on-site is burned, blend one part used oil with at least three parts fuel oil (25% used oil to 75% fuel oil).

[18 AAC 50.055(c), 5/03/02]

Do not burn fuel oil with a sulfur content greater than 0.075% by weight while operating in the Sulfur Dioxide Special Protection Areas described in 18AAC50.025 (Dutch Harbor or St. Paul).

[18 AAC 50.110, 5/26/72;
18 AAC 50.350(f)(3), 1/18/97]

24. Fuel & Used Oil Delivery

Keep a delivery receipt for each shipment of fuel and used oil delivered to the facility. If using fuel oil other than ASTM D1 (diesel fuel #1), ASTM D2 (diesel fuel #2), or comparable, test each shipment for the fuel oil sulfur content using the applicable ASTM Method. Acceptable methods include D129-00; D1266-98; D1552-95; D2622-98; D4294-98 and D4045-99. If using ASTM D1 (diesel fuel #1), ASTM D2 (diesel fuel #2), or comparable, keep copies of the fuel delivery records that indicate the ASTM fuel grade as defined in ASTM D396-02 or ASTM D975-02.

If burning used oil generated off-site, test the sulfur content of each shipment of used oil that is generated off-site and record the quantity of fuel accepted or keep supplier's sulfur content analysis. Test any fuel used to fulfill the blending requirement using the applicable test method and record the quantity of fuel used in the blend. Supplier certification is adequate as long as blending does not occur. Samples may be collected by the vendor from batches prepared by the local supplier for delivery to permittee's facility, or by supplier for bulk shipment not blended prior to delivery to the permittee's facility.

[18 AAC 50.055(c), 18 AAC 50.350(d)(3), 1/18/97]

Stationary Diesel Engines

25. Diesel Engines for Power Generation or Mechanical Drive of the Asphalt Plant or Crusher Equipment

(NOTE: These requirements only apply to stationary diesel engines i.e. those that remain in one location for 12 months or more, or are used at the same location during two or more consecutive construction seasons.)

25.1 **Opacity requirements.** Do not reduce visibility through the exhaust by any of the following:

a. more than 20 percent for more than three minutes in one hour;[4]

b. more than 20 percent averaged over any six consecutive minutes.[5]

[18 AAC 50.055(a)(1), 1/18/97 and 5/03/02]

25.2 Diesel engines may not discharge particulate matter in the exhaust gas at concentrations higher than 0.05 gr./dscf.

[18 AAC 50.055(b)(1), 5/03/02]

25.3 Diesel engines may not emit sulfur dioxide in the exhaust gas at concentrations greater than 500 parts per million averaged over a period of three hours.

[18 AAC 50.055(c), 5/03/02]

25.4 Diesel engines may not burn fuel oil (or used oil mixed with fuel oil) with a sulfur content greater than 0.5% by weight.

[18 AAC 50.055(c), 5/03/02]

25.5 If used oil generated on site is burned, blend one part used oil to three parts fuel oil (25% used oil to 75% fuel oil)

[18 AAC 50.055(c), 5/03/02]

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[4] For purposes of this permit, trhe “more than three minutes in any one hour” criterion in this condition will no longer be effective when the Air Quality Control (18 AAC 50) regulation package effective 5/3/02 is adopted by the EPA.

[5] The six-minute average standard is enforceable only the state until 18 AAC 50.055(a)(1), dated 5/3/02, is approved by EPA into the State Implementation Plan, at which time this standard becomes federally enforceable.

25.6 If operating in one of the Sulfur Dioxide Special Protection Areas described in 18 AAC 50.025 (Dutch Harbor or St. Paul) the diesel engines may not be used for electrical power generation. The facility must operate on highline power. If the diesel engines are used for another purpose other than electrical power generation they may not burn fuel with a sulfur content greater than 0.075% by weight.

[18 AAC 50.110, 5/03/02; 18 AAC 50.025, 1/18/97]

26. Visible Emissions and Particulate Matter Inspections for stationary diesel engines.

[18 AAC 350(d)(3) 1/18/97]

Monitor visible emissions and particulate matter for stationary diesel engines subject to condition 25 according to the plan in Attachment 4.

Crushers

27. Grinding, Crushing and Conveyor Equipment Subject to 40 CFR 60.670 Subpart OOO

Equipment which is subject to Subpart OOO is equipment at a fixed plant with a cumulative rating of all initial[6] crushers greater than 25 tons per hour; or equipment at a portable plant with greater than 150 tons per hour cumulative ratings. The pieces of equipment affected by the applicable conditions are rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations. Only the pieces of equipment installed, reconstructed[7] or modified after August 31, 1983 are subject to Subpart OOO. Opacity and marking requirements for this equipment are as follows.

27.1 On a component of grinding or crushing equipment without mechanically induced airflow to capture or exhaust particulate matter, do not allow particulate matter emissions to reduce visibility by more than 15 percent opacity.

[40CFR60.672(c), 7/01/01; 18 AAC 50.040(a)(2)(FF), 8/15/02]

[6] Initial crushers are defined as crushers that process some rock that has not been previously crushed.
[7] Reconstructed is defined in 40 CFR 60.673.

27.2 For transfer points of belt conveyors and any other equipment subject to Subpart OOO except crushing and grinding equipment, do not allow particulate matter emissions to reduce visibility by more than 10 percent opacity.

[40CFR60.672(b), 7/01/01; 18 AAC 50.040(a)(2)(FF), 8/15/02]

27.3 Grinding, crushing or conveyor equipment subject to the New Source Performance Standard (NSPS) in 40 C.F.R. 60.670 Subpart OOO must be identified by marking with the letters "NSPS" that are plainly visible and are at least three inches high.

[18 AAC 50.350(d)(4), 1/18/97]

28. Visual Emissions Observations for Subpart OOO Equipment

Inspect each emission point subject to Condition 27.1 using Method 9 of 40 C.F.R. 60, Appendix A at the following times: (Use Attachment 1)

1. within 2 working days after startup at each new location

2. at least once in every 14 days of operation.

[18 AAC 50.350(d)(3), 1/18/97; 40 C.F.R. 60.675(c), 7/01/01]

29. Replacement of Grinding, Crushing and Conveying Equipment

There are requirements that apply if you replace equipment not subject to Subpart OOO with new equipment, and requirements if you replace parts of equipment subject to Subpart OOO. These requirements are summarized below.

Any crushing, grinding and conveying or other equipment that was constructed on or before August 31, 1983, is not subject to the NSPS Subpart OOO. Replacing that piece of equipment of equal size (capacity) or smaller (capacity) does not make it subject to the Subpart OOO. This activity still requires a report to the department and the U.S. EPA. See below.

If, however, the entire grinding, crushing and conveying system is replaced in its entirety, or components of that system are replaced with larger capacity components this does make that new component subject to the Subpart OOO requirements. This also requires a report to the department and the U.S. EPA. See below.

In the situations described above, both the department and the U. S. EPA must be notified. See the table below:

Equipment Replaced	**Report to ADEC and U.S. EPA**
Crusher, grinding mill, bucket elevator, bagging operation, enclosed truck or railcar loading station	Rated capacities of the equipment being replaced and the rated capacity of the new equipment
Screening operation	Total surface area and age of old top screen and total surface area of top screen replacement
Conveyor belt	Width and age of the existing belt and width of the replacement belt
Storage bin	Capacity and age of the existing storage bins

If equipment above for a non NSPS grinding and crushing operation is replaced notify:

Director of Emission Standards and Engineering Division (MD-13) U.S. Environmental Protection Agency Research Triangle Park, North Carolina 27711	Alaska Department of Environmental Conservation Air Permit Program 610 University Avenue Fairbanks, Alaska 99709

For crushing grinding or conveying equipment that was constructed after August 31, 1983, and is subject to 40 CFR 60 Subpart OOO or components installed after August 31, 1983, which increase capacity of equipment, the department and the U.S. EPA must be notified. The notifications must include the anticipated and actual dates of initial startup of the new equipment or components and must include the precise nature of the change, the present and proposed emission control systems and the change in capacity as a result of the changed components or equipment. Modifications that trigger these reports include increasing the surface area of an initial screen, increasing the width of a conveyor belt or increasing the capacity of any other equipment. Notifications should be sent to the department and U.S. EPA as follows:

[40CFR60.676(a), 7/01/01;18 AAC 50.200, 1/18/97]

Alaska Department of Environmental Conservation Air Permit Program 610 University Avenue Fairbanks, Alaska 99709	U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue Seattle, Washington 98101

Fuel Storage Tanks

30. Stationary Fuel Storage Tanks

Most asphalt plants use ASTM D2 (diesel fuel #2) to power diesel engines and fire the burners in the aggregate dryers and drum mixers. This diesel fuel must be stored onsite. Diesel fuel meeting ASTM Specifications for ASTM D2 (diesel fuel #2) is a low volatility fuel with a Reid Vapor Pressure typically lower than 0.5 psia. There are requirements for stationary fuel storage tanks in 40 CFR 60 Subpart Kb for fuel storage tanks. If fuel tanks at an asphalt plant contain less than 10,567 gallons of fuel or are portable (i.e. do not remain in one location for longer than 12 months) there are no applicable air quality control requirements. If the size of the fuel tanks at an asphalt plant using ASTM D2 (diesel fuel #2) exceeds 10,567 gallons and the tanks were constructed after July 23, 1984, the operator must keep accessible records showing the dimensions of each tank and calculations showing the capacity of the storage tank. If a liquid fuel other than ASTM D2 (diesel fuel #2) is stored in tanks onsite, there are other requirements from 40 CFR 60 Subpart Kb that may apply.

[18 AAC 50.040(a)(2)(M), 8/15/02; 40CFR60.116b(a) & (b), 7/01/01]

Asphalt Plants Operating in Bells Flats

31. Bells Flats -- Fuel Burning Equipment.

Any equipment operating in at an asphalt plant in the Bells Flats area of Kodiak that burns liquid fuel:

a. Shall burn fuel that has a sulfur content not exceeding 0.4 percent; and

b. Shall not operate more than 13 hours in a calendar day.

Facility Wide Requirements

32. Fugitive Dust.

The operator shall take reasonable precautions to prevent the release of airborne particulate matter and fugitive dust from aggregate piles, treated and untreated soil piles, conveyors and elevators, loading locations, the rotary drum, crushers, screens, baghouse ash discharge, vehicle traffic within the facility boundaries and other sources of fugitive dust.

a. Reasonable precautions for asphalt plants to prevent particulate matter from becoming airborne include as necessary:

- installation and use of hoods,
- fans and dust collectors to enclose and vent dusty materials,
- other covers and enclosures to prevent generation or release of fugitive dust,
- cleanup of loose material on work surfaces,
- minimizing drop distances on conveyor systems and lowering loader buckets to be in contact with the surface of the soil or ground before dumping
- application of water or suitable chemicals to road surfaces to prevent the generation of fugitive dust
- gratings at the exit of the facility to prevent tracking of dirt or mud onto public roads
- for an asphalt plant located near a business, residence or other occupied structure, if the wind is blowing toward the structure and emissions from an activity would result in a violation of condition 27.1, stopping the activity that would cause the violation while the wind blows in that direction.

b. Dust Control Plans The operator must comply with the fugitive dust control plan set out in Attachment 5: Fugitive Dust Control Plan.

[18 AAC 50.045(d), 1/18/97]

33. Operation and Maintenance Plan.

Before operating under this permit, the operator shall prepare and submit an Operations and Maintenance Plan to the department to illustrate how the facility will be operated and maintained in order to comply with the emission limits as specified in this permit.

[40CFR60.11(d), 7/01/01; 18 AAC 50.055(a)(1), (b)(1), 18 AAC 50.350(d)(4), 5/03/02]

34. Air Pollution Prohibited.

No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

[18 AAC 50.110, 5/26/72]

35. Monitoring, Record Keeping, and Reporting for Air Pollution Prohibited

a. If emissions present a potential threat to human health or safety, the permittee shall report any such emissions according to condition 39.

b. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the facility, the permittee shall investigate the complaint to identify emissions that the permittee believes have caused or are causing a violation of condition 34.

c. The permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if

1. after an investigation because of a complaint or other reason, the permittee believes that emissions from the facility have caused or are causing a violation of condition 34; or
2. the department notifies the permittee that it has found a violation of condition 34.

d. The permittee shall keep records of

1. the date, time, and nature of all emissions complaints received;
2. the name of the person or persons that complained, if known;
3. a summary of any investigation, including reasons the permittee does or does not believe the emissions have caused a violation of condition 34; and
4. any corrective actions taken or planned for complaints attributable to emissions from the facility.

[18 AAC 50.110, 5/26/72, 18 AAC 50.346, 5/3/02]

36. Coastal Zone Management.

If the facility will be located in the Aleutians West Coastal Resource Service Area (AWCRSA) contact the local or municipal tribal officials, landowners, and the AWCRSA to obtain the necessary local permits or approvals and to find a preferred site for the operation. AWCRSA consists of the islands in the Aleutian Chain from Unalaska to Attu. If the facility will be located in the AWCRSA and stores greater than 5000 gallons of fuel, the facility must comply with AWCRSA policies C-10 (storage of petroleum products) and C-11 (spill containment and cleanup equipment). [*This is a state only requirement*.]

[6AAC50, 1984]

37. Fees.

The facilities operated under this permit are subject to two kinds of fees. The department charges Permit Administration fees at the rate of $78.00 per hour. These fees can be accrued during the initial issuance of the permit for reviewing the application for completeness and compliance with the regulations. Permit Administration fees are also charged for the review of the annual compliance certifications and the review of the facility operating reports.

Once a year, no later than March 31, the operator is required to make an estimate of assessable emissions expected to take place during the upcoming state fiscal year from July 1, through the following June 30th. Emission Fees are calculated by multiplying the estimated assessable emissions by the emission fee rate of listed in 18 AAC 50.410. Emission Fees should be estimated using the guidance in Attachment 3 of this permit.

[18AAC50.400 to 18AAC50.430, 1/18/97]

38. Location:

a. The permit may not operate the dryer or drum mixer, or a diesel engine used to provide electrical or mechanical power[8] to the facility within 110 yards of the nearest residential structure.

b. In addition to the requirement in a of this condition, the permittee may operate the facility under this permit at a location within the following distances for a period of not more than two construction seasons during the effective period of this permit:

1. 800 feet of the nearest residence or other occupied structure.
2. 1,100 feet of the nearest residence or other occupied structure if it is located on terrain that is more than 10 meters above any ground level of the aggregate drier or drum mixer. (These distances are measured from the stationary source of air emissions or material handling activities.)

If the facility was moved to such a location before the effective date of this permit and after January 1, 2002, the permittee may operate the facility for a period of not more than one construction season under this permit at that location.

c. The permittee shall:

1. obtain a general operating permit 3 (GP3) or Title V Operating permit before operating the asphalt plant or crusher at a new location. For operating permits contact the Cynthia Espinoza at (907) 269-7575. Application forms and information are available online at

http://www.state.ak.us/local/akpages/ENV.CONSERV/dawq/aqm/newpermit.htm

[8] This does not include wheeled or tracked equipment powered by a diesel engine such as front end loaders.

2. give adequate consideration to siting issues as described in condition 38 (a), (b), and (d) when operating or changing locations of an asphalt plant or crusher permitted to operate under this permit.

d. If the department receives complaints regarding the asphalt plant's air emissions near residences or other occupied structure, the department will investigate the complaints. These investigations could result in:

1. the operator being required to prove, by air quality dispersion modeling or other means, that emissions from the plant are not harmful to the neighbors by conducting an ambient air quality investigation under 18AAC50.201.
2. the requirement to reduce emissions or implement another control strategy to reduce the ambient impact of those emissions as necessary to ensure that the concentration of air contaminants in the ambient air does not exceed the ambient air quality standards, maximum allowable ambient concentrations or the limitations of 18 AAC 50.110.
3. Air quality monitoring investigations; or
4. The requirement to obtain a site specific permit with requirements tailored to the exact operation contemplated.
5. Operators must be aware that if additional dispersion modeling, an investigation under 18 AAC 50.201 or a site specific permit is needed, these requirements could result in significant delays and expenses.

[18 AAC 50.110, 5/26/72; 18 AAC 50.201, 1/18/97]

[18AAC50.345(i), 5/3/02]

Table 1-Monitoring, Record Keeping and Reporting

Table 1 lists the monitoring, record keeping, and reporting that is required by this permit. Some of these requirements are stated only in this table. Where the monitoring, record keeping, or reporting requirement is more fully explained in another condition of the permit, that condition number is given in the table.

The permittee must report excess emissions or other deviations from all permit conditions according to condition 39.

CONDITION NUMBER	MONITORING	RECORD KEEPING	SEMI-ANNUAL REPORTING
STANDARD PERMIT CONDITIONS			
1. compliance with permit terms and conditions	**Continuous process see specifics below**	**See specifics for each condition below**	**Annual compliance certification**
2. Shutdown no defense in a compliance action	**None required**	**None required**	**None required**
3. permit terms independent	**None required**	**None required**	**None required**
4. compliance with permit terms considered full compliance	**None required**	**None required**	**None required**
5. reopening, revocation or reissuance of permits	**None required**	**None required**	**None required**
6. non conveyance of property rights or privileges	**None required**	**None required**	**None required**
7. inspector access provided on request	**Granting access - monitoring implicit in action**	**Log and track inspector visits**	**Report number of times access granted and records provided**
8. furnishing records	**Furnishing records - monitoring implicit in action**	**Log and track records requested**	**Report type and number of records requested and provided**
9. certifying	**Certifying reports**	**Keep copies of all**	**Reporting implicit**

reports	**-monitoring implicit in action**	**reports with certifications for five years**	**in action of submitting reports**
10. perform source tests on demand by ADEC	**Performance of source tests monitoring implicit in action**	**Keep copies of source test results for five years**	**Report source test results within time limits specified**
11. tending source test deadlines	**Extending of deadlines monitoring implicit in action**	**Keep copies of all source test deadline extension requests**	**Report deadline extension in source test report when submitted**
12. source test plan required in advance of source testing	**Preparing plan monitoring implicit in action**	**Keep copies of all source test plans submitted and dates submitted**	**Include source test plan in source test report when submitted**
13. ten day notification before source tests	**Sending notification monitoring implicit in action**	**Keep copies of all 10 day notification letters**	**Include 10 day notification in source test report when submitted**
14. submitting source test reports	**Submittal of report monitoring implicit in action**	**Keep copies of all source test reports submitted**	**Report submittal fulfills reporting requirement**
GENERAL PERMIT CONDITIONS FOR AGGREGATE DRYER			
15. particulate emissions	**Perform source tests if indicated by condition 16 or opacity monitoring**	**Maintain copies of source test and opacity monitoring results**	**Report results of source tests within 60 days. If standard exceeded use ADEC notification report**
16. periodic source testing	**Performance of source testing monitoring implicit in action**	**Keep copies of source test results for five years**	**Report source test results within 60 days or other time limits specified**
17. throughput rate not to exceed successful source test rate	**Record throughput daily; compare to rate at which source test was ok**	**Maintain log of daily throughput**	**Report daily throughput with semi annual operating reports**
18. baghouse	**Maintain**	**Keep records of**	**Include copies of**

inspection requirements	**maintenance logs detailing baghouse inspections and bag replacements**	**inspections for five years. Daily record pressure drop across baghouse and outlet temperatures in relation to manufacturer's recommendations**	**baghouse inspection records in semi annual operating reports Include daily pressure drop readings and outlet temperatures in semi annual operating reports.**
19. scrubber inspection requirements	**Maintain maintenance logs detailing scrubber inspections and parts replacements**	**Keep records of scrubber inspections for five years. Daily record differential pressure across the scrubber, water flow rate and temperature in relation to manufacturer's recommendations.**	**Include scrubber inspection records in semi annual operating reports. Report daily pressure differential readings, water flow rates & temperatures in semi annual operating reports**
20. NSPS Performance Tests	**Monitoring is implicit in the performance of the test**	**Record test results in source test report and using Attachment 1**	**Report test results to department and EPA in accordance with 40 CFR 60.8(b)**
21. opacity requirements	**Perform visual observations of exhaust using EPA Method 9**	**Keep records of visual observations of exhaust outlets**	**Report results of visual observations with semi annual reports. If standard exceeded use ADEC notification report**
22. asphalt plant Visible emissions observations	**Use EPA Ref Method 9**	**Maintain record of observations using Attachment 1**	**Report results with semi annual operating reports**
23. & 24. sulfur oxide emissions requirements	**Control sulfur oxide emissions by limiting sulfur content of fuel burned**	**Keep records of type and grade of fuel burned and sulfur content from supplier**	**Provide documentation of type and grade of fuel burned with semi annual reports**

STATIONARY DIESEL POWER PLANT REQUIREMENTS			
25.1 opacity requirements	**Perform visual observations of exhaust using Smoke/No Smoke or EPA Method 9**	**Keep records of visual observations of exhaust outlets**	**Report results of visual observations with semi annual reports. If standard exceeded use ADEC notification report**
25.2 particulate emissions	**Perform source tests if indicated by opacity monitoring**	**Maintain copies of source test and opacity monitoring results**	**Report results of source tests and opacity monitoring with semi annual reports. If standard exceeded use ADEC notification report**
25.3 sulfur oxide emissions	**Control sulfur oxide emissions by limiting sulfur content of fuel burned**	**Keep records of type and grade of fuel burned and sulfur content from supplier**	**Provide documentation of type and grade of fuel burned with semi annual reports**
25.4 sulfur content limits for fuel	**Only purchase and burn fuel with sulfur content below 0.5% by weight by specifying ASTM D2 (diesel fuel #2)**	**Keep records of type and grade of fuel burned and sulfur content from supplier**	**Provide documentation of type and grade of fuel burned with semi annual reports**
25.5 used oil blending	**If used oil is burned ensure blended in proper proportions with fuel oil**	**Keep records of amount of used oil and amount of fuel oil blended at 1:3 ratio**	**Report fuel blending records along with semi annual reports**
25.6 operation in special protection areas	**Use highline power in special areas; if diesel operated ensure sulfur content does not exceed 0.075% by weight**	**Keep records of sulfur content of fuel burned from supplier**	**Provide documentation of sulfur content of fuel burned with semi annual reports**

26. Visible emissions and PM inspections for diesel engines	**Use smoke / no smoke plan or EPA Method 9 plan per Attachment 4**	**Keep records of visible emissions observations with Attachment 1**	**Report results of observations with semi annual facility operating reports**
GRINDING & CRUSHING EQUIPMENT			
27.1 grinding or crushing opacity	**Use visual observation EPA Method 9 to observe emission points**	**Keep a written record of visual observations of emission points**	**Submit written records of visual observations with semi annual operating reports. If standard is exceeded use ADEC Notification form.**
27.2 conveyor opacity requirements	**Use visual observation EPA Method 9 to observe emission points**	**Keep a written record of visual observations of emission points**	**Submit written records of visual observations with semi annual operating reports. If standard is exceeded use ADEC Notification form.**
27.3 Marking requirements	**Marking "NSPS" on equipment subject to 40CFR60 Subpart OOO serves as monitoring**	**Keep a photographic record of all equipment marked "NSPS" and maintain for five years after equipment replaced or retired**	**Provide photographic records of "NSPS" markings to the department on request**
28. Visible emissions observations for crusher	**Use EPA Ref Method 9**	**Maintain record of observations using Attachment 1**	**Report results with semi annual operating reports**
29. replacement of grinding, crushing or conveying equipment	**Maintain a log and keep track of components of grinding, crushing or conveying equipment that is replaced**	**When equipment is replaced as described in condition 24 describe changes in correspondence as specifed**	**Reporting consists of providing copies of the correspondence required by the condition to the department and EPA.**

30. fuel storage tank requirements	**Maintain a log of the fuel storage tanks in use including capacity, types of fuel stored, and dates the tanks were constructed**	**If required by the condition maintain records showing dimensions & storage capacity of each tank**	**Maintain the records of the tank dimensions and methods of calculations as long as the tanks are in use at the facility**
OPERATIONS IN BELLS FLATS			
a. sulfur content limits for fuel if operating in Bells Flats	**Only purchase and burn fuel with sulfur content below 0.4% by weight**	**Keep records of type of fuel burned and sulfur content from supplier**	**Provide documentation of type of fuel burned with semi annual reports**
b. Hours of operation limit if operating in Bells Flats	**Record daily operation hours**	**Record daily operation hours**	**Report operation hours with semi annual reports**
GENERAL REQUIREMENTS FOR THE FACILITY			
32. fugitive dust requirements	**Perform a daily inspection of sources of fugitive dust and take necessary actions to keep dust down. Submit and comply with fugitive dust control plan if necessary**	**Maintain a log of a daily inspection of sources of fugitive dust and actions taken to keep fugitive dust down. Maintain a copy of the fugitive dust control plan for life of the facility.**	**Report copies of log entries concerning fugitive dust with semi annual reports. Report activities undertaken to maintain compliance with fugitive dust control plan if any.**
33. Operation and maintenance plan	**Plan submittal serves as implicit monitoring**	**Maintain equipment maintenance logs in accordance with O & M Plan**	**Submit copies of logs with semi annual reports**
34. & 35. Air pollution prohibited	**Monitoring consists of responding to complaints and taking corrective action**	**Maintain a log of all complaints received and actions taken to correct any deficiencies noted**	**Report complaints and incidents and actions taken in log entries with the semi annual reports**

36. coastal zone management	**Locating a facility in the Aleutian Islands requires coordination with local authorities and serves as implicit monitoring**	**Maintain copies of all correspondence concerning location of facility until 5 years after plant is removed from Aleutians**	**Provide copies of correspondence with semi annual report when facility is first located in Aleutians**
37. fees	**Timely payment of fees and emission fee estimates is monitored by the department**	**The department maintains records of permit administration fees and emission fees billed, paid and outstanding**	**In the annual compliance certification report assert compliance by certifying that all fees have been paid and estimates made on time.**
38. Location considerations	**Ensure site selection considers impact of operations on ambient air and nearby inhabited structures**	**Maintain records of Borough approvals for sites selected and records of distances from nearest inhabited structures**	**Provide certified and notarized application addendum for relocation with all Data requested Concerning Borough approvals and locations etc.**
39. Excess Emission Reports	**Report all excess emissions or deviations**	**Use attachment 3**	**Report as required in condition 39**

Additional Monitoring, Record Keeping, and Reporting Guidance

In addition to the Monitoring, Record Keeping and Reporting in the above table, the information below must be gathered and included with the semi annual operating reports, ADEC Notification reports or emission fee calculation submittals.

Date	**Record date of operation**
Time of operation	**Record start and stop times and hours**
Asphalt produced per day	**Record tons of asphalt produced per day**
Asphalt produced per year	**Record tons of asphalt produced per yr**
Maximum hourly production rate	**Record production rate tons/hr**
Diesel generator operation daily	**Record power produced – kilowatt hours**
Diesel generator operation annually	**Record annually kW hours produced**
Amount of fuel consumed daily	**Record fuel consumed in gals or MMscf**
Amount of fuel consumed annually	**Record cumulative amount**
Deviations from Permit Conditions	**Record on ADEC Notification Report**

Reporting Requirements

The department requires a facility operator using this general permit to perform four types of reports: (1) reporting emissions that have the potential to violate a permit condition, (2) semiannual facility operating reports, (3) notification of replacement of certain equipment, and (4) annual compliance certifications.

[18 AAC 50.350(i)(1), 1/18/97]

39. Excess Emissions and Permit Deviation Reports.

When to Report

E1. The permittee shall notify the department of a complaint that is attributable to emissions from the facility within 24 hours after receiving the complaint, unless the permittee has initiated corrective action within 24 hours of receiving the complaint

E2. Except as provided in condition E1 for Air Pollution Prohibited, the permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:

a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commences or is discovered, report
   (i) emissions that present a potential threat to human health or safety; and
   (ii) excess emissions that the permittee believes to be unavoidable;

b. in accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology based emission standard;

c. report all other excess emissions and permit deviations
   (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in conditions c(ii) and c(iii);
   (ii) if a continuous or recurring excess emissions is not corrected within 48-hours of discovery, within 72 hours of discovery unless the department provides written permission to report under condition c(i); and
   (iii) for failure to monitor, as required in other applicable conditions of this permit.

How to Report

When reporting excess emissions under condition E2, the permittee must report using either the department's on-line form, which can be found at www.dec.state.ak.us/awq/excess/report.asp, or, if the permittee prefers, the form contained in Attachment 3 of this permit. The permittee must provide all information called for by the form that is used.

When reporting a permit deviation under condition E2, the permittee must report using the form contained in Attachment 3 of this permit, unless the department has provided an optional on-line form for permit deviations by the time the report is due. The permittee must provide all information called for by the form used.

If requested by the department, the permittee shall provide a more detailed written report as requested to follow up an excess emissions report.

For excess emissions which may present a **threat to human health or safety** (Condition E2a(i)):

Report as soon as possible, at one of the following numbers:

Central Alaska	269-3063	Fax	269-7648
Northern Alaska	451-2121	Fax	451-2362
Southeast Alaska	465-5340	Fax	465-2237

Outside of normal business hours: 1-800-478-9300

Fax a completed ADEC Notification form (Attachment 3) within 24 hours to the Anchorage Air Permit Program office at (907) 269-7508.

Immediate Reporting: [18 AAC 50.350(i)(1), 1/18/97]

Notify the department within two days of a pollution-control equipment breakdown. Provide a schedule for repair of the pollution control equipment and do not operate the plant after the breakdown until repairs have been completed.

40. Semiannual Operating Reports

[18 AAC 50.350(d)(3), 18 AAC 50.350(i)(5), 1/18/97]

During the life of this permit, the permittee shall submit an original and two copies of an operating report by April 30 for the previous period October 1 to March 31 and by October 30 for the previous April 1 to September 30.

Submit the following information to the department at:

Alaska Department of Environmental Conservation
Air Permit Program
610 University Ave
Fairbanks, Alaska 99709

Facility Name _____ Date: _____

A Semiannual Compliance Report from
(Select the correct operating period)

- ❑ 10/1/___ - 3/31/___ Due on **April 30**
- ❑ 4/1/___ - 9/30/___ Due on **October 30**

Did the facility deviate from any permit requirements or a fugitive dust or odor control plan?

- ❑ Yes
- ❑ No

If yes, explain (1) how you deviated from the plan, (2) the cause of the deviation, and (3) why it was necessary.

Report any deviations from the facility's submitted Operations and Maintenance Plan.

Attach:

(a) Copies of all visible emission reading results;

Report results of visible emission observations and particulate matter testing as required by the monitoring plan for diesel engines in Attachment 4.

(b) Copies of all particulate matter performance test reports.

(c) For conditions 34 and 35 on Air Pollution Prohibited, a brief summary report which must include

- the number of complaints received;
- the number of times the permittee or the department found corrective action
- necessary;
- the number of times action was taken on a complaint within 24 hours; and
- the status of corrective actions the permittee or department found necessary that were not taken within 24 hours.

(d) A summary of excess emissions and permit deviations as follows:
If excess emissions or permit deviations that occurred during the reporting period are not otherwise reported under condition 37, either
1. the permittee shall identify

(i) the date or period of the deviation;
(ii) the equipment involved;
(iii) the permit condition affected;
(iv) a description of the excess emissions or permit deviation; and
(v) any corrective action or preventive measures taken and the date or dates of such actions; or

2. when excess emissions or permit deviations have already been reported under condition 39 E2, the permittee may cite the date or dates of those reports.

(e) A listing of emissions monitored under Conditions 16 or 40 which trigger additional testing or monitoring, whether or not the emissions monitored exceed an emission standard. The permittee shall include in the report

1. the date of the emissions;
2. the equipment involved;
3. the permit condition affected; and
4. the monitoring result which triggered the additional monitoring.

List Fuel Delivery dates and grades:

Dates:	Quantity:	Fuel Grade:	or	Sulfur Content:
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____

List Off-Site Used Oil Delivery:

Dates:	Quantity:	Sulfur Content:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

List Burned Used Oil (generated on-site):

Dates:	Quantity:	Sulfur Content:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

List the total amount of fuel used at the facility.

If you blended fuel to meet the sulfur requirement, how did you ensure your facility blended the amount of used oil burned to achieve a 0.5% Sulfur content by weight or less mix?

How did you ensure your facility blended the amount of used oil generated on-site to achieve a 1 to 3 mix (25% used oil to 75% fuel oil)?

List the daily asphalt production rate, the total number of operation hours and peak hourly rate.

Report any deviations from the facility's submitted Operations and Maintenance Plan.

Based on information and belief formed after reasonable inquiry, I certify that the facility meets the qualifying criteria and that the statements and information in and attached to this document are true, accurate, and complete.

_____ _____ _____
Signature Printed Name Title

State of Alaska, City of _____ , Borough of _____

On this _____day of _____, 20____ before me personally appeared _____

Whose identity was proved to me on the basis of satisfactory evidence to be the person Whose name is subscribed to this instrument, and acknowledged that he (she) executed the same.

_____ _____

Notary Public My Commission Expires on

Annual Compliance Certification

Certify compliance annually by February 1 of each year for the period from January 1 to December 31 of the previous year in accordance with the format below. Submit two copies and the original to ADEC and one copy to the U.S. EPA. Submit the annual compliance certification to the addresses below:

ADEC Air Permit Program 610 University Ave Fairbanks, Alaska 99709	US EPA Region 10 Office of Air Quality M/S OAQ-107 1200 6th Avenue, Seattle, Washington 98101

Permittee: _____ Facility Name _____

Permit Number _____ Period of Certification _____

CONDITION NUMBER AND DESCRIPTION	**COMPLIANCE STATUS**	**CONTINUOUS/ INTERMITTENT**	**METHOD TO DETERMINE COMPLIANCE**
STANDARD PERMIT CONDITIONS			
1. –6.	**These conditions place no certification obligation on permittee.**		
7. inspector access provided on request	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **Dates access granted or not requested** ☐ **Other (attach description & documentation)**
8. furnishing records	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **Dates submitted** ☐ **Other (attach description & documentation)**
9. certifying reports	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **All reports/ documents certified** ☐ **Other (attach description & documentation**
10.– 14. Source test Requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable**	☐ **Continuous** ☐ **Intermittent**	☐ **source tests performed** ☐ **plans submitted** ☐ **reports submitted** ☐ **Other (attach description)**

	(attach explanation		
GENERAL PERMIT CONDITIONS FOR AGGREGATE DRYER			
15. particulate emissions	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **source test indicates no exceedance** ☐ **no opacity readings exceed limits** ☐ **Other (attach description & documentation)**
16. periodic source testing	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **source test performed within 30 days of startup** ☐ **or within last 5 years or 7200 hrs** ☐ **or plant operates less than 30 days 6 hrs per day** ☐ **Other (attach description & documentation)**
17. throughput rate does not exceed source test levels	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **daily throughput recorded** ☐ **throughput rate does not exceed source test rate** ☐ **Other (attach description & documentation)**
18. baghouse inspection requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **baghouse inspection records kept** ☐ **damaged bags replaced in 72 hrs** ☐ **all operating parameters monitored and recorded** ☐ **Other (attach description & documentation)**
19. scrubber inspection requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **scrubber inspection records kept** ☐ **damaged parts replaced** ☐ **operating parameters monitored and recorded** ☐ **Other (attach description & documentation)**
20. NSPS performance tests	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **test performed within 180 days of startup** ☐ **reports made in accordance with 40 CFR 60.8** ☐ **Other (attach description**

			& documentation)
21 opacity requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **no opacity readings in excess of standard** ☐ **opacity reading records submitted** ☐ **Other (attach description & documentation)**
22. asphalt plant Visible emissions observations	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all VE observation records kept** ☐ **Opacity does not exceed limits** ☐ **Other (attach description & documentation)**
23 & 24. **sulfur oxide emissions requirements**	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **fuel delivery records kept** ☐ **fuel blending records kept** ☐ **no fuel burned exceeded sulfur limits** ☐ **Other (attach description & documentation)**
STATIONARY DIESEL POWER PLANT REQUIREMENTS			
Error! Reference source not found.**opacity requirements**	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **opacity observation records kept** ☐ **opacity limits not exceeded** ☐ **Other (attach description & documentation)**
25.2 particulate emissions	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **EPA Method 5 source test records kept** ☐ **15% opacity not exceeded** ☐ **Other (attach description & documentation)**
25.3 sulfur oxide emissions	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **fuel delivery records kept** ☐ **no fuel sulfur content exceeded 0.5% by weight** ☐ **used oil blended** ☐ **Other (attach description & documentation)**
25.4 sulfur content limits for fuel	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable**	☐ **Continuous** ☐ **Intermittent**	☐ **fuel delivery records kept** ☐ **no fuel sulfur content exceeded 5% by weight** ☐ **used oil blended**

	(attach explanation		**☐ Other (attach description & documentation)**
25.5 used oil blending	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all fuel oil blending records kept ☐ Other (attach description & documentation)**
25.6 Operation in special protection areas	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ did not operate in special protective areas ☐ used highline power ☐ fuel sulfur content did not exceed 0.075% ☐ Other (attach description & documentation)**
26. Visible Emissions Requirements for stationary diesel engines	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all records of VE observations kept ☐ no opacity violations noted ☐ Other (attach description & documentation)**
GRINDING & CRUSHING EQUIPMENT			
27.1 grinding or crushing opacity	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ visible emissions testing records kept ☐ visible emissions did not exceed 15% opacity ☐ Other (attach description & documentation)**
27.2 conveyor opacity requirements	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ visible emissions testing records kept ☐ visible emissions did not exceed 10% opacity ☐ Other (attach description & documentation)**
27.3 marking requirements	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all photographic records kept ☐ all NSPS equipment marked properly ☐ Other (attach description & documentation)**
28. VE requirements for Subchapter OOO crushing	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable**	**☐ Continuous ☐ Intermittent**	**☐ all records of VE observations kept ☐ opacity standards not exceeded**

equipment	**(attach explanation**		**☐ Other (attach description & documentation)**
29. replacement of grinding, crushing or conveying equipment	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all records kept and notifications made ☐ no equipment replaced ☐ Other (attach description & documentation)**
30. fuel storage tank requirements	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all records of tank dimensions and capacities kept ☐ tanks are too small or too old to require record keeping ☐ Other (attach description & documentation)**
OPERATIONS IN BELLS FLATS			
a Fuel sulfur limit	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (Did not operate in Bells Flats)**	**☐ Continuous ☐ Intermittent**	**☐ fuel delivery records kept ☐ no fuel sulfur content exceeded 0.4% by weight ☐ used oil blended ☐ Other (attach description & documentation)**
b Hours of operation limit	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ Records of Hours of Operation Kept ☐ Other (attach description & documentation)**
FACILITY WIDE REQUIREMENTS			
32. fugitive dust requirements	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ all reasonable precautions taken ☐ fugitive dust plan complied with ☐ Other (attach description & documentation)**
33. operation and maintenance plan	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ All O & M records kept ☐ O & M plan submitted ☐ O & M plan complied with ☐ Other (attach description & documentation)**
34. & 35. air pollution prohibited	**☐ In Compliance ☐ Not In Compliance ☐ Not applicable (attach explanation**	**☐ Continuous ☐ Intermittent**	**☐ records of complaints kept ☐ complaints investigated and corrective action taken as necessary**

			☐ **Other (attach description & documentation)**
36. coastal zone management	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all records and correspondence kept** ☐ **did not operate in AWCRSA** ☐ **Other (attach description)**
37. fees	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all invoices paid within 60 days** ☐ **emission fee estimate submitted by 31 March** ☐ **Other (attach description & documentation)**
38. Location considerations	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **relocation application addenda filed 30 days in advance** ☐ **facility not moved**
39. Excess Emission or Deviation report requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all records of excess emissions or deviations kept** ☐ **all reports made in accordance with requirements** ☐ **Other (attach description & documentation)**

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate and complete.

_____ _____ _____
Signature Printed Name Title

State of Alaska, City of _____ , Borough of _____

On this _____day of _____, 20____ before me personally appeared _____

Whose identity was proved to me on the basis of satisfactory evidence to be the person Whose name is subscribed to this instrument, and acknowledged that he (she) executed the same.

_____
Notary Public

My Commission Expires on _____

ATTACHMENT 1 VISIBLE EMISSIONS FORMS

Page 1 of _____

When doing readings: Maintain a distance of at least 15 feet from the emission point; When possible while still conforming to Method 9, select a position to minimize interference between sources; If interference cannot be avoided between sources, use the least stringent opacity standard that applies to any of the sources involved; and If wet dust suppression is used, read the part of the plume where there are no visible emissions caused by water mist.

Certified Observer_____

Company _____

Location _____

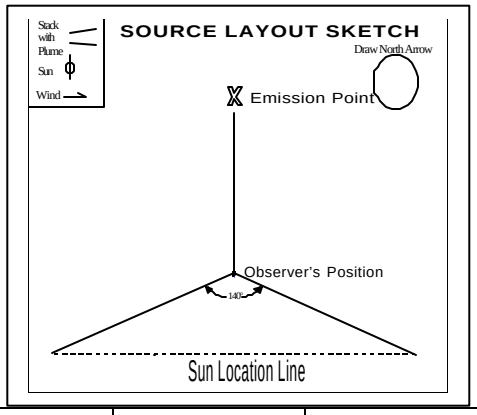
Test No. _____ Date

Asphalt Plant: Source _____

Production Rate: Tons/hr

_____

Hrs. of observation: _____



Clock Time	Initial			Final
Observer location Distance to discharge				
Direction from discharge				
Height of observer point				
Background description				
Weather conditions Wind Direction				
Wind speed				
Ambient Temperature				
Relative humidity				
Sky conditions: (clear, overcast, % clouds, etc.)				
Plume description: Color				
Distance visible				
Water droplet plume? (attached or detached?)				
Other information				

Use the procedures specified in 40 C.F.R. 60, Appendix A, Method 9 to perform this observation

VISIBLE EMISSIONS OBSERVATION RECORD PART 2, OBSERVATIONS

Page ____ of ____

Company _____ Certified Observer_____

Test Number _____ Clock time_____

A minimum reading is 24, every 15 seconds for a total length of 6 minutes

Date:		Visibility reduction every 15 Seconds (Opacity)				Steam Plume (check if applicable)		Comments
Hr	Min	0	15	30	45	Attached	Detached	

Additional information:

_____

Observer Signature

Average Opacity Summary

Set Number	Time Start—End	Opacity	
		Sum	Average

ATTACHMENT 2 ASPHALT PLANT EMISSION FEE CALCULATION GUIDE

In order to calculate emission fees for an asphalt plant the following information must be known for each plant:

1. tons of asphalt produced in the past year.
2. kilowatt hours produced by the diesel generators in past year (estimate by multiplying the kW rating of the generator times the number of hours operated.)
3. number of gallons of diesel burned in past year.

That is all the information required to estimate the emission fees.

Provide the emission estimate to the department no later than March 31st each year.

ASPHALT PLANT EMISSION FEE CALCULATIONS	
NOx TPY (A) = tons of asphalt produced multiplied by	
0.00006 for diesel fired batch mix	**0.0000125 for nat gas fired batch mix**
0.0000275 for diesel fired drum mix	**0.000013 for nat gas fired drum mix**
CO TPY (B) = tons of asphalt produced multiplied by	
0.0002 for diesel fired batch mix	**0.0002 for nat gas fired batch mix**
0.000065 for diesel fired drum mix	**0.000065 for nat gas fired drum mix**
NOx TPY (C1) from diesel generators Multiply kW hours by 0.000020786 = C1	
CO TPY (C2) from diesel generators Multiply kW hours by 0.000004479 = C2	
SO_2 TPY (D) = gals of diesel burned for the year multiplied by 0.0000355	
Determine Total NOx A + C1 = X Determine Total CO B + C2 = Y	
If either X or Y or D is less than 10 tons do not include in calculation below.	
NOX (X) + CO (Y) + SO_2 (D) = Total emissions in tons per year (TPY)	
Total emissions (TPY) x $5.07 = Emission Fee in $	

Send Emission Estimate to:
ADEC Air Permits
Assessable Emission Estimate
410 Willoughby Avenue, Suite 303
Juneau, Alaska 99801

Or FAX to (907) 465 5129 PLEASE MARK FAX "EMISSION FEE ESTIMATE"

ATTACHMENT 3 ADEC NOTIFICATION FORM

Fax this form to: (907) 269-7508 Telephone: (907) 269-8888

Company Name

Facility Name

Reason for notification:

❑ **Excess Emissions** — *If you checked this box Fill out section 1*

❑ **Other Deviation from Permit Condition** — *If you checked this box fill out section 2*

When did you discover the Excess Emissions or Other Deviation:
Date:__/__/__ Time:__:__

Section 1. Excess Emissions

(a) Event Information (Use 24-hour clock):

	START Time:	**END** Time: **Duration** (hr:min):
Date: _____	_____:_____	_____:_____
Date: _____	_____:_____	_____:_____
		Total: _____:_____

(b) Cause of Event (Check all that apply):

❑ START UP ❑ UPSET CONDITION ❑ CONTROL EQUIPMENT
❑ SHUT DOWN ❑ SCHEDULED MAINTENANCE ❑ OTHER _____

Attach a detailed description of what happened, including the parameters or operating conditions exceeded.

(c) Sources Involved:

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device

(d) Emission Limit Potentially Exceeded

Identify each emission standard potentially exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Identify what observation or data prompted this report. Attach additional sheets as necessary.

Permit Condition	Limit	Emissions Observed

(e) Excess Emission Reduction:

Attach a description of the measures taken to minimize and/or control emissions during the event.

(f) Corrective Actions:

Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence.

(g) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?

❑ YES ❑ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

❑ YES ❑ NO

Section 2. Other Permit Deviations

(a) Sources Involved:

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device

(b) Permit Condition Deviation:

Identify each permit condition deviation or potential deviation. Attach additional sheets as necessary.

Permit Condition	Potential Deviation

(c) Corrective Actions:

Attach a description of actions taken to correct the deviation or potential deviation and to prevent recurrence.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name:

Signature: Date

ATTACHMENT 4 VISIBLE EMISSION AND PARTICULATE MATTER MONITORING PLAN FOR STATIONARY DIESEL ENGINES

41. Visible Emissions Monitoring. The Permittee shall observe the exhaust of stationary diesel engines subject to condition 25 of this permit for visible emissions using either the Method 9 Plan under condition 41.1 or the Smoke/No-Smoke Plan under condition 41.2. The permittee may change visible-emissions plans for a source at any time unless prohibited from doing so by condition 41.3.

41.1 **Method 9 Plan.** For all 18-minute observations in this plan, observe exhaust, following 40 C.F.R. 60, Appendix A-4, Method 9, adopted by reference in 18 AAC 50.040(a), for 18 minutes to obtain 72 consecutive 15-second opacity observations.

a. Monthly Method 9 Observations. After the first Method 9 observation, perform 18-minute observations at least once in each calendar month that the engine operates.

b. Less Frequent Method 9 Observations. After observing emissions for three consecutive operating months under condition 41.1a, unless a six-minute average is greater than 15 percent and one or more observations are greater than 20 percent, observe emissions at least once for 18 minutes during the first calendar month that the engine operates for each construction season (or for each calendar year, if the operation does not shut down seasonally.)

If the facility operates during more than six calendar months in a year, repeat the observations during the seventh calendar month that the engine operates during the calendar year.

c. Increased Method 9 Frequency. If a six-minute average opacity is observed during the most recent set of observations to be greater than 15 percent and one or more observations are greater than 20 percent, then increase or maintain the 18-minute observation frequency for that source to at least monthly intervals, until the criteria in condition 41.1b for semiannual monitoring are met.

41.2 **Smoke/No Smoke Plan.** Observe the exhaust for the presence or absence of visible emissions, excluding condensed water vapor.

a. Initial Monitoring Frequency. Observe the exhaust during each calendar day that a source operates.

b. Reduced Monitoring Frequency. After the source has been observed on 30 consecutive operating days, if the source operated without visible smoke in the exhaust for those 30 days, then observe emissions at least once in every calendar month that a source operates.

c. Smoke Observed. If smoke is observed, either begin the Method 9 Plan of condition 41.1 or perform the corrective action required under condition 41.3

41.3 **Corrective Actions Based on Smoke/No Smoke Observations.** If visible emissions are present in the exhaust during an observation performed under the Smoke/No Smoke Plan of condition 41.2, then the permittee shall either follow the Method 9 plan of condition 41.1 or

a. initiate actions to eliminate smoke from the source within 24 hours of the observation;

b. keep a written record of the starting date, the completion date, and a description of the actions taken to reduce smoke; and

c. after completing the actions required under condition 41.3a,

(i) take Smoke/No Smoke observations in accordance with condition 41.2

(a) at least once per day for the next seven operating days and until the initial 30 day observation period is completed; and

(b) continue as described in condition 41.2b; or

(ii) if the actions taken under condition 41.3a do not eliminate the smoke, or if subsequent smoke is observed under the schedule of condition 41.3c(i)(a), then observe the exhaust using the Method 9 Plan unless the department gives written approval to resume observations under the Smoke/No Smoke Plan; after observing smoke and making observations under the Method 9 Plan, the permittee may at any time take corrective action that eliminates smoke and restart the Smoke/No Smoke Plan under condition 41.2a.

42. Visible Emissions Record Keeping. The permittee shall keep records in accordance with this condition 42.

42.1 If using the Method 9 Plan of condition 41.1,

a. the observer shall record

(i) the name of the facility, emissions source and location, facility type, observer's name and affiliation, and the date on the Visible Emissions Field Data Sheet (Attachment1);

(ii) the time, estimated distance to the emissions location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), plume background, and operating rate (load or fuel consumption rate) on the sheet at the time opacity observations are initiated and completed;

(iii) the presence or absence of an attached or detached plume and the approximate distance from the emissions outlet to the point in the plume at which the observations are made;

(iv) opacity observations to the nearest five percent at 15-second intervals on the Visible Emissions Observation Record (Attachment 1); and

(v) the minimum number of observations required by the permit; each momentary observation recorded shall be deemed to represent the average opacity of emissions for a 15-second period;

b. to determine the six-minute average opacity, divide the observations recorded on the record sheet into sets of 24 consecutive observations; sets need not be consecutive in time and in no case shall two sets overlap; for each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24; record the average opacity on the sheet;

c. calculate and record the highest 18-consecutive-minute average observed.

42.2 If using the Smoke/No Smoke Plan of condition 41.2, record the following information in a written log for each observation and submit copies of the recorded information upon request of the department:

a. the date and time of the observation;

b. the ID of the source observed;

c. whether visible emissions are present or absent in the exhaust;

d. a description of the background to the exhaust during the observation;

e. if the source starts operation on the day of the observation, the startup time of the source;

f. name and title of the person making the observation; and

g. operating rate (load or fuel consumption rate).

43. Visible Emissions Reporting. The permittee shall report visible emissions as follows:

43.1 include in each facility operating report:

a. which visible-emissions plan of condition 40 was used for each source; if more than one plan was used, give the time periods covered by each plan;

b. for each source under the Method 9 Plan,

(i) copies of the observation results (i.e. opacity observations) for each source that used the Method 9 Plan, except for the observations the permittee has already supplied to the department; and

(ii) a summary to include:

(a) number of days observations were made;

(b) highest six-minute average observed; and

(c) dates when one or more observed six-minute averages were greater than 20 percent;

c. for each source under the Smoke/No Smoke Plan, the number of days that Smoke/No Smoke observations were made and which days, if any, that smoke was observed; and

d. a summary of any monitoring or record keeping required under condition 41 that was not done;

43.2 report under the condition for excess emissions and permit deviation reports:

a. the results of Method 9 observations that exceed an average 20 percent for any six-minute period; and

b. if any monitoring under condition 41 was not performed when required, report within three days of the date the monitoring was required.

44. Particulate Matter Monitoring for Diesel Engines. The permittee shall conduct source tests on stationary diesel engines subject to condition 25 to determine the concentration of particulate matter (PM) in the exhaust of a source in accordance with this condition 44.

44.1 Within six calendar months that the engine operates after exceeding the criteria of condition 44.2a or 44.2b, either

a. conduct a PM source test according to conditions 10 through 14; or

b. make repairs so that emissions no longer exceed the criteria of condition 44.2; to show that emissions are below those criteria, observe emissions as described in condition 41.1 under load conditions comparable to those when the criteria were exceeded.

44.2 Conduct the test according to condition 44.1 if

a. 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity greater than 20 percent; or

b. 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity that is greater than 15 percent and not more than 20 percent, unless the department has waived this requirement in writing.

44.3 During each one hour PM source test run, observe the exhaust for 60 minutes in accordance with Method 9 and calculate the average opacity that was measured during each one hour test run. Submit a copy of these observations with the source test report.

44.4 The source test requirement in condition 44.1 and 44.2 is waived for an engine if a PM source test on that unit has shown compliance with the PM standard during this permit term.

45. Particulate Matter Reporting for Diesel Engines. The permittee shall report as follows:

45.1 report under the condition for excess emissions and permit deviation reports

a. the results of any PM source test that exceeds the PM emissions limit; or

b. if one of the criteria of condition 44.2 was exceeded and the permittee did not comply with either condition 44.1a or 44.1b, this must be reported by the day following the day compliance with condition 44.1 was required;

45.2 report observations in excess of the threshold of condition 44.2b within 30 days of the end of the month in which the observations occur;

45.3 in each facility operating report, include

a. the dates, source IDs, and results when an observed 18-minute average was greater than an applicable threshold in condition 44.2;

b. a summary of the results of any PM testing under condition 44; and

c. copies of any visible emissions observation results (opacity observations) greater than the thresholds of condition 44.2, if they were not already submitted.

ATTACHMENT 5: FUGITIVE DUST CONTROL PLAN

PRUHS
Corporation

Received April 30th by fax AK

To: Kajdan, John {John_Kajdan@dec.State.Ak.us}
Date: April 30, 2003
From: Michael Matteucci; Pruhs Corp.
Subject: Fugitive Dust Control Plan

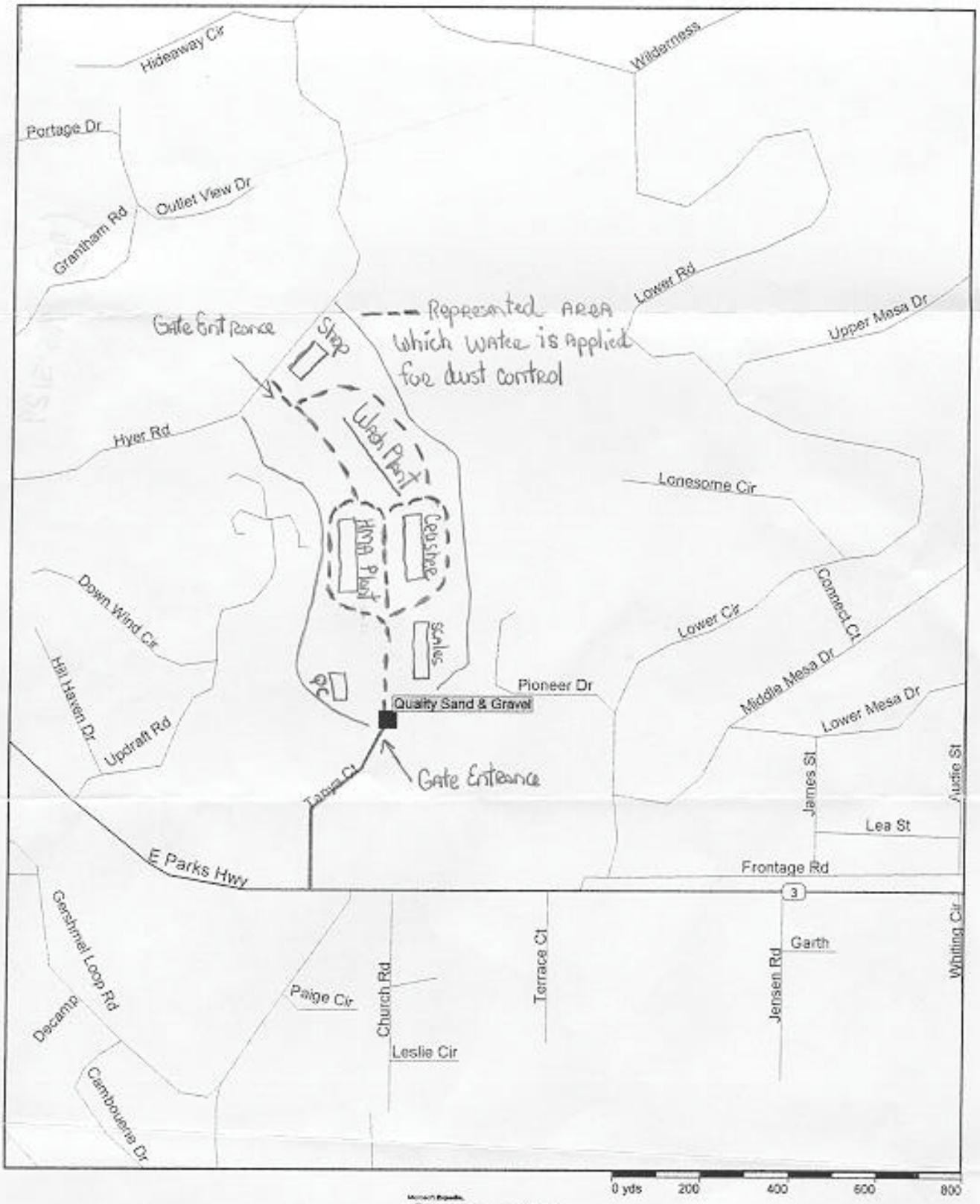
Our fugitive dust control plan consists of using a 7000 gal. tractor water trailer unit with power spray bars capable of spraying 160 GPM at a width of approximately 24 feet wide. We apply this water between entrance and eggress and all pit travel routes for equipment and vehicles. Please see attached drawing for pit dust control.

The circumstance determining the use of water for dust control is a visual observation of dust being rolled upwards by equipment or vehicle tires.

The frequency for application of water is determined by daily temperature, wind conditions, precipitation and the amount of vehicle and equipment traffic in our pit. As determined by the four conditions above our rate of water application for dust control can be from a few times a day to once or twice an hour.

2193 VIKING DRIVE • ANCHORAGE, ALASKA 99501 • PHONE (907) 279-1020 • FAX (907) 279-1028

Quality Sand and Gravel Location Map



Streets98

ATTACHMENT 6 PARAMETERS TO MONITOR DURING SOURCE TESTS

Continuously monitor the following parameters and record the average value

- ❑ the asphalt production rate: _____ tons/hour
- ❑ the fines percentage _____ (-200 mesh
- ❑ Method 9 readings during the Method 5 testing

For a facility using a baghouse:

- ❑ the baghouse exit temperature: _____ EF
- ❑ the pressure drop across the baghouse: _____ inches of water

For a facility using a scrubber:

- ❑ the pressure drop across the scrubber: _____ inches of water
- ❑ water flow rate: _____ gallons/minute

- ❑ particulate control: _____ gallons/minute
- ❑ the fines percentage _____ (-200 mesh)

Obtain the following:

For a facility using a scrubber, record the following parameters:

- ❑ pond size: _____
- ❑ pond depth: _____
- ❑ type of liner used: _____
- ❑ is the water recycled ❑ Yes ❑ No
  makeup water flow rate: _____ gallons/hr